

Form PTO-1390 (Rev. 5-93)		US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NO. H 3244-I PCT/US	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371				U.S. APPLICATION NO. (if known, sec. 17 CFR 1.5) <div style="font-size: 1.5em; font-weight: bold;">09/856075</div>	
INTERNATIONAL APPLICATION NO. PCT/EP99/08526		INTERNATIONAL FILING DATE November 6, 1999		PRIORITY DATE CLAIMED November 17, 1998	
TITLE OF INVENTION PACKAGING FOR TABLET-SHAPED OBJECTS					
APPLICANT(S) FOR DO/EO/US Werner KUENZEL and Wolfgang BARTHEL					
Applicant herewith submits to the United States Designated/Elected Office (EO/DO/US) the following items and other information:					
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39 (1). 4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been transmitted by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 					
Items 11. to 16. below concern other document(s) or information included:					
<ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A FIRST preliminary amendment <ol style="list-style-type: none"> <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 14. <input type="checkbox"/> A substitute specification. 15. <input type="checkbox"/> A change of power of attorney and/or address letter. 16. <input checked="" type="checkbox"/> Other items or information.: <div style="margin-left: 20px; padding-top: 10px;"> International Search Report (With Information Disclosure Citation and References) Drawings - 2 sheets </div> 					
"Express Mail" mailing label number <u>EL 843287325 US</u>					

U.S. Application No. (If known see CFR 1.30) <div style="font-size: 24pt; font-weight: bold; margin-top: 10px;">09/856075</div>	INTERNATIONAL APPLICATION NO. <div style="font-weight: bold; margin-top: 10px;">PCT/EP99/08526</div>	ATTORNEY'S DOCKET NUMBER <div style="font-weight: bold; margin-top: 10px;">H 3244-I PCT/US</div>					
17. ■ The following fees are submitted: Basic National Fee (37 CFR 1.492(a)(1)-(5)): Search Report has been prepared by the EPO or JPO..... \$840.00 International preliminary examination fee paid to USPTO (37CFR 1.482) \$670.00 No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37CFR 1.445(a)(2))..... \$690.00 Neither international preliminary examination fee (37CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO..... \$970.00 International preliminary examination fee paid to USPTO (37CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4)..... \$96.00 <div style="text-align: right; font-weight: bold;">ENTER APPROPRIATE BASIC FEE AMOUNT =</div>		<div style="text-align: center; font-weight: bold; margin-bottom: 10px;">CALCULATIONS PTO USE ONLY</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; border-bottom: 1px solid black; text-align: right;">\$ 860</td> <td style="width: 40%; border-bottom: 1px solid black; text-align: right;">00</td> </tr> <tr> <td style="border-bottom: 1px solid black; text-align: right;">\$ 0</td> <td style="border-bottom: 1px solid black; text-align: right;">00</td> </tr> </table>		\$ 860	00	\$ 0	00
\$ 860	00						
\$ 0	00						
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date 37 (CFR 1.492(e)).		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; border-bottom: 1px solid black; text-align: right;">\$ 0</td> <td style="width: 40%; border-bottom: 1px solid black; text-align: right;">00</td> </tr> </table>		\$ 0	00		
\$ 0	00						
Claims	Number filed	Number Extra	Rate				
Total Claims	5 - 20 =	0	0 X \$18.00	\$ 0	00		
Independent Claims	1 - 3 =	0	0 X \$80.00	\$ 0	00		
Multiple dependent claims (s)(if applicable) 0			+ \$260.00	\$ 0	00		
TOTAL OF ABOVE CALCULATIONS =				\$ 860	00		
Reduction by ½ for filing by small entity, if applicable. Verified Small Entity statement must also be filed. (Note 37 CFR 1.9, 1.27, 1.28).				\$ 0	00		
SUBTOTAL =				\$ 860	00		
Processing fee of \$130.00 for furnishing the English translation later the <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37CFR 1.492(f)).				\$ 0	00		
TOTAL NATIONAL FEE =				\$ 860	00		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ 0	00		
TOTAL FEES ENCLOSED =				\$ 860	00		
				Amount to be: refunded	\$ _____		
				charged	\$860.00		
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. b. ■ Please charge my Deposit Account No. <u>01-1250</u> in the amount of <u>\$860.00</u> to cover the above fees. A triplicate copy of this sheet is enclosed. Order No. <u>01-0387</u> . c. ■ The Assistant Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>01-1250</u> . A triplicate copy of this sheet is enclosed. NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status. <div style="display: flex; justify-content: space-between;"> <div> SEND ALL CORRESPONDENCE TO: Henkel Corporation, Law Dept. 2500 Renaissance Blvd, Suite 200 Gulph Mills, PA 19406 </div> <div style="text-align: right;"> SIGNATURE Glenn E. J. Murphy NAME ATTORNEY FOR APPLICANT 33.539 REGISTRATION NUMBER </div> </div>							

09/856075

JG08 Rec'd PCT/PTO 17 MAY 2001

Express Mail
Label No. EL 843287325 US

PATENT
Docket H3244-I PCT/US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re: PCT/EP99/08526

International Filing Date:	November 6, 1999
Priority Date:	November 17, 1998
Applicant:	KÜNZEL, et al.
Title:	PACKAGING FOR TABLET- SHAPED OBJECTS

PRELIMINARY AMENDMENT

Assistant Commissioner of Patents
Washington, DC 20231

Please enter the amendments below before examining this
case on the merits:

IN THE SPECIFICATION:

On page 1, insert below the title:

--CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a U.S. National Stage application
filed under 35 U.S.C. § 371, claiming priority under 35
U.S.C. §§ 119 and 365 of International Application No.
PCT/EP99/08526, filed November 6, 1999, in the European
Patent Office, and DE 198 52 936.8, filed November 17, 1998,
in the German Patent Office.

--BACKGROUND OF THE INVENTION--.

On page 2, after line 3, insert the heading:

--DESCRIPTION OF THE INVENTION--.

On page 3, after the third paragraph, insert the heading:

--BRIEF DESCRIPTION OF THE DRAWINGS--.

IN THE ABSTRACT:

Please add to the application as a separate page following the claims the abstract appended to this paper.

IN THE CLAIMS:

Please cancel claims 1 to 5, and add new claims 6 to 10:

6. Packaging for tablet-shaped objects, especially hygroscopic washing agent and/or detergent tablets, comprising a closed wrapping and one or more film packs arranged in the wrapping, said packs each containing at least one tablet-shaped object and having two opposing ends, each end being closed by a transverse seam, said packs further being closed in longitudinal direction by one or more longitudinal seams, said wrapping having two side walls being parallel to the transverse seams of the film packs and opposing one another at a predetermined distance, said wrapping further having at least one side wall being parallel to the longitudinal seams of the film packs, wherein each film pack is longer from end to end than the distance between the opposing side walls of the wrapping that are parallel to the transverse seams of the film packs, the film packs being arranged in the wrapping such that at least one end of each pack is in resilient contact with one of the side walls parallel to the transverse seams of the film packs, and wherein the at least one side wall being parallel to the longitudinal seams of the film packs is reinforced.

0956075 054704
T02T50 54095860

7. The packaging of claim 6, wherein both ends of each film pack are in resilient contact with a side wall of the wrapping that is parallel to the transverse seams of the film packs.

8. The packaging of claim 6, wherein the at least one side wall being parallel to the longitudinal seams of the film packs is reinforced with shock-absorbing inserts.

9. The packaging of claim 8, wherein the shock-absorbing inserts comprise corrugated cardboard.

10. The packaging of claim 6, wherein the wrapping is constructed to be self-supporting.

REMARKS

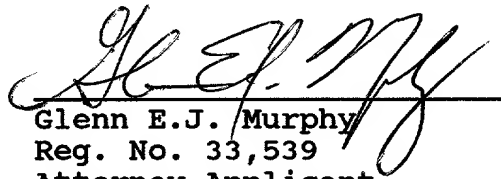
Claims 1 to 5 have been canceled and claims 6 to 10 added. The subject matter of the new claims is described in the specification at page 2, line 4, to page 3, line 7 of the specification. The specification has been amended to include a cross-reference to related applications and headings appropriate to U.S. practice. No new matter has been added.

The new claims better claim the full literal and equivalent scope and breadth of subject matter disclosed in the application, notwithstanding applicants' belief that the original claims, drafted for examination in the German Patent Office, would have been allowable but for minor matters of form. The new claims find support in the application independent of the original claims and therefore are not believed to constitute narrowing amendments to the original claims within the holding of Festo Corp. v.

Shoketsu Kinzoku Kogyo Kabushiki Co., No. 95-1066 (Fed. Cir.
Nov. 29, 2000).

Applicants respectfully request entry of this Amendment
and examination of the application. If any fees are due to
enter this paper that have not been accounted for, please
charge Deposit Account No. 01-1250.

Respectfully submitted,



Glenn E.J. Murphy
Reg. No. 33,539
Attorney Applicant
(610) 278-4926

Henkel Corporation
Patent Department
2500 Renaissance Blvd., Suite 200
Gulph Mills, PA 19406

ABSTRACT OF THE DISCLOSURE

Packaging for tablet-shaped objects, especially hygroscopic detergent tablets, having a sealed secondary packaging and film packs located in the secondary packaging, each pack containing at least one tablet-shaped object. The film packs are sealed by a cross-seam on two ends and one longitudinal seam. The packs are arranged in the secondary packaging such that their longitudinal seams are parallel, the walls of the secondary packaging parallel to the longitudinal seams being reinforced, and at least one of the ends of the packs sealed by the cross-seams is in resilient contact with a wall of the secondary packaging parallel to the cross-seams. The packaging protects the tablets from stress by knocks or pressure.

Henkel Corporation
2500 Renaissance Blvd., Suite 200
Gulph Mills, PA 19406

"Packaging for tablet-shaped objects"

The invention relates to packaging for tablet-shaped objects, especially hygroscopic washing agent and/or detergent tablets, comprising a closed wrapping and foil bags which are arranged in the wrapping and in each of which at least one tablet is received, wherein each foil bag is closed at both ends by a respective transverse seam and in longitudinal direction by a longitudinal seam.

Washing agents and/or detergents in tablet form, which due to, for example, their hygroscopic properties need additional protection against moisture, are usually packaged in foil bags. For that purpose, for example, so-termed "flow packs", which consist of a foil sachet with a longitudinal seam and two transverse seams, called "fins", have proved themselves in practice. The production of such "flow packs" is known and is usually carried out in high-performance production plant directly after production of the tablets. Such a foil bag is known from, for example, DE 295 09 593 U1.

Tablets which are packed (single pack or multi-pack) in foil bags of that kind are usually loosely packaged in a packaging container, such as a packet, carrier packet, drum or the like, which represents in principle a sufficiently stable external packaging or wrapping for storage and transport. In that case stability refers to the required compression resistance of the unit in the case of pressure and weight loading within a palettised group.

Washing agent tablets of that kind are, however, products which are sensitive to breakage and which are usually stressed during the filling process and also during transport in such a manner that edge breakage, fracture and abrasion are not able to be avoided even with normal rigid external packaging. The tablet is not protected against this even by the foil bag, which offers only a slight additional protective effect relative to shock loading and during transport.

In principle it is known from, for example, US-A-3 774 778, DE 42 10 749 C2 or DE 40 22 120 A1 to insert foil bag packages in ordered manner into a wrapping in order to reduce the risk of displacement, during transport or similar, of the products disposed therein. It is also known, for example from DE 90 16 554 U1, DE 43 38 799 A1 or DE 43 02 909 A1, to provide wrappings with shock-absorbing inserts or special wall constructions for shock-sensitive products, which, however, makes the packaging more expensive overall.

09/856075-051701

It is the object of the invention to improve packaging of the kind in question, while maintaining ease of manufacture thereof and lowest possible packaging cost, so that direct shock or pressure loads on the tablets are avoided.

According to the invention this object is met with packaging of the kind denoted in the introduction in that the foil bags are arranged in the wrapping in ordered manner with longitudinal seams aligned parallel to one another, wherein the length of the foil bags is larger than the spacing of the side walls, which are parallel to the transverse seams of the foil bags, of the packaging in such a manner that at least one end region of the foil bags is resiliently bent over in the wrapping and that at least the side walls, which are parallel to the longitudinal seams of the foil bags, of the wrapping are equipped with wall reinforcements.

It has proved that due to the ordered arrangement of the foil bags in the wrapping, shock loads parallel to the longitudinal seam in the foil bags can be accepted relatively well at the outset, these shock loads being partly absorbed by the transversely extending fins (transverse seams) of the foil bag. Since the foil bags are in addition designed to be longer than the relevant packaging length (spacing of those side walls of the wrapping which are parallel to the transverse seams of the foil bags), one fin or both fins of the respective foil bag is or are bent over on insertion into the wrapping, so that the or each fin is disposed in the wrapping under a certain resilient stress, whereby shocks can be resiliently absorbed without occurrence of damage to the tablet-shaped products. Shock loads parallel to the longitudinal seams thus cannot lead to damage of the tablets. Shock loads in transverse direction, i.e. parallel to the transverse seams, are accepted by the special shaping of the wrapping with wall reinforcements in the appropriate side walls of the same, so that overall a packaging is provided which for low additional material cost (only certain regions with wall reinforcements and somewhat longer foil bags) offers a reliable mechanical protection, during storage and during transport, for the tablets, disposed therein. The production cost in that case is only insignificantly increased relative to known packaging of this kind, as it is only necessary to introduce the tablet-filled foil bags in ordered manner into the wrapping.

The protection for the tablet-shaped products can be further increased in the longitudinal direction of the foil bags if the foil bags are constructed to be of such length that both end regions of the foil bags are resiliently bent over in the wrapping.

The properties of the packaging and protection for tablet-shaped products disposed therein can be even further improved if at least the side walls, which are equipped with wall reinforcements, of the wrapping are furnished with shock-absorbing inserts. These inserts can be formed from, for example, corrugated cardboard.

For protection of the packaging against pressure from above, for example when palletised, and for protection of the tablets against surface loading, advantageously it is further provided that the wrapping is constructed to be self-supporting, i.e. it is dimensioned in such a manner that the stacking of several packages one above the other does not lead to an adverse effect on the packages disposed in the lower layers.

The invention is explained in more detail in the following by way of example with reference to the drawing, in which:

Fig. 1 shows packaging according to the invention without a cover,

Fig. 2 shows, in enlarged illustration, a foil bag with two tablets disposed therein and

Fig. 3 shows a cross-section through the packaging according to Fig. 1.

Packaging according to the invention for tablet-shaped objects, especially hygroscopic washing agent and/or detergent tablets, is denoted in the drawing generally by 1. It comprises a closed wrapping 2 and a plurality of foil bags 3, one of which is illustrated in more detail in Figure 2.

Such a foil bag 3 is formed from a foil hose and is closed at both ends by respective transverse seams or transverse fins 4. The foil bag 3 is closed in longitudinal direction by a longitudinal seam 5. Before closing, washing agent tablets 6, for example, are introduced into such a foil bag 3, two washing agent tablets 6 being received in a foil bag 3 in the illustrated embodiment.

According to the invention the foil bags 3 are, as can be recognised from Figure 1, arranged in the wrapping 2 to be ordered with longitudinal seams 5 aligned parallel to one another. The wrapping 2 itself comprises two first side walls 2a, which are arranged parallel to the longitudinal seams 5 of the foil bags 3, and two second side walls 2b, which are arranged at right angles thereto. The two side walls 2a, which are arranged parallel to the longitudinal seams 5 of the foil bags 3, are equipped with wall reinforcements. In addition, these side walls 2a can be furnished at the inside with shock-absorbing inserts 7, for example of corrugated cardboard, which are appropriately inserted into the wrapping 2.

If pressure is exerted on the wrapping 1 in the direction of the arrow characterised by A, thus parallel to the longitudinal seam 5 of the foil bags, then such a loading is accepted by the transverse seams 4 of the foil bag 3 without adversely affecting the tablets 6. If, thereagainst, the packaging 1 is loaded in transverse direction, namely in the direction of the arrow B, then this loading is accepted by the wall reinforcements of the side walls 2a and additionally by the inserts 7, so that pressure loadings on the lateral weak points of the foil bags 3 and thus the tablets 6 are avoided.

The wrapping 2 can, moreover, also be constructed to be self-supporting so as to enable a risk-free stacking of several wrappings one on the other.

The wall reinforcement in the side walls 2a of the wrapping, which in the simplest manner can be achieved by double walling of the wrapping in this region, additionally increases the compression resistance of the entire packaging 1 during transport and storage in a palette. Altogether, there is provided packaging 1 for tablets 6 which offers an all-round protection for the fracture-sensitive tablets 6 within the packaging 1.

As evident best from Figure 3, the length of the foil bag 3 is selected so that it is larger than the spacing of the side walls 2b, which are parallel to the transverse seams 4 of the foil bag 3, of the wrapping 2. This has the consequence that the two end regions designated by 8 of the foil bag 3, which have the transverse seams 4, come to lie resiliently bent over in the wrapping 2. The foil bags 3 thus lie under a certain "spring loading" in the wrapping 2 and can cushion, for example, shocks without damage to the tablets 6, because they can move to a certain extent in the wrapping 2 in the direction of the double arrow 9.

As recognisable from Figure 3, the following geometric dimensions result:

$$c \geq 0$$

$$a > 0$$

$$a < 1,$$

wherein c represents the spacing of the two tablets 6 arranged adjacent to one another in a foil bag 3, a represents the spacing between the outer edge of a tablet 6 and the associated side wall 2b of the wrapping 2 and 1 represents the overall fin length of the foil bag 3 or the length of the foil bag 3 from the outer side of a tablet 6 up to the free end.

The invention is obviously not restricted to the illustrated embodiment. Further refinements are possible without departing from the basic concept. Thus obviously several superimposed layers of foil bags 3 filled with tablets 6 can be arranged in the wrapping 2, wherein the stack pattern of all layers is naturally the same in order to ensure the requisite ordered arrangement of the foil bags 3 in the wrapping 2. Moreover, the packaging 1 is obviously closable at the top, but cover flaps or the like are not illustrated in the drawing for reasons of clarity.

Patent Claims:

1. Packaging for tablet-shaped objects, especially hygroscopic washing agent and/or detergent tablets, comprising a closed wrapping and foil bags which are arranged in the wrapping and in each of which at least one tablet is received, wherein each foil bag is closed at both ends by a respective transverse seam and in longitudinal direction by a longitudinal seam, characterised in that the foil bags (3) are arranged in the wrapping (2) in ordered manner with longitudinal seams (5) aligned parallel to one another, wherein the length of the foil bags (3) is larger than the spacing of the side walls (2b), which are parallel to the transverse seams (5) of the foil bags (3), of the packaging (2) in such a manner that at least one end region (8) of the foil bags (3) is resiliently bent over in the wrapping (2) and that at least the side walls (2a), which are parallel to the longitudinal seams (5) of the foil bags (3), of the wrapping (2) are equipped with wall reinforcements.
2. Packaging according to claim 1, characterised in that the foil bags (3) are constructed to be of such a length that both end regions (8) are resiliently bent over in the wrapping (2).
3. Packaging according to claim 1 or 2, characterised in that at least the side walls (2a), which are equipped with wall reinforcements, of the wrapping (2) are furnished with shock-absorbing inserts (7).
4. Packaging according to claim 3, characterised in that the shock-absorbing inserts (7) are formed from corrugated cardboard.
5. Packaging according to claim 1 or one of the following claims, characterised in that the wrapping (2) is constructed to be self-supporting.



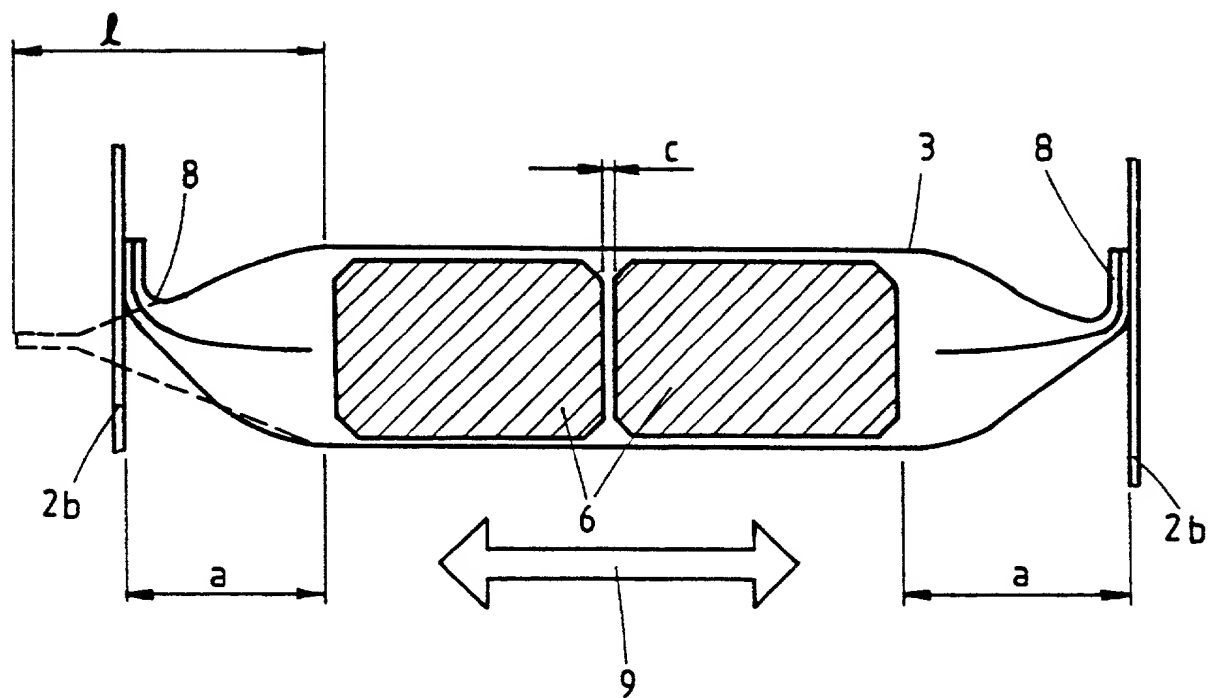


FIG.3

Type a plus sign (+) inside this box → ☐

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

0010/PTO
Rev. 6/95

U.S. Department of Commerce
Patent and Trademark Office

DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

☐ Declaration Submitted with Initial Filing OR ☐ Declaration Submitted after Initial Filing

Attorney Docket
Number

H 3244-I PCT/US

First Named
Inventor

KUENZEL, Werner

COMPLETE IF KNOWN

Application Number

Filing Date

Group Art Unit

Examiner Name

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

PACKAGING FOR TABLET-SHAPED OBJECTS

the specification of which

(Title of the Invention)

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY) 11/06/1999 as United States Application Number or PCT International

Application Number PCT/EP99/08526 / and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES NO	
198 52 936.8 /	Germany /	11/17/1998 /	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority sheet attached hereto:

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	Additional provisional application numbers are listed on a supplemental priority sheet attached hereto.

Burden Hour Statement: This form is estimated to take .4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

DECLARATION

Page 2

I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s), or §365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code §112.1 acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)
	PCT/EP99/08526 ✓	11/06/1999 ✓	

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority sheet attached hereto.

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

☐ Firm Name Customer Number or label

OR

☒ List Attorney(s) and/or agent(s) name and registration number below:

Name	Registration Number	Name	Registration Number
Wayne C. Jaeschke	21,062	Glenn E. J. Murphy	33,539
Kimberly R. Hild	39,224	Stephen D. Harper	33,243

☐ Additional attorney(s) and/or agent(s) named on a supplemental sheet attached hereto.

Please direct all correspondence to: ☐ Customer Number or label OR ☒ Fill in correspondence address below

Name	Glenn E. J. Murphy		
Address	Henkel Corporation - Patent Department		
Address	2500 Renaissance Boulevard, Suite 200		
City	Gulph Mills	State	PA
Country	USA	Telephone	610-278-4926
		Fax	610-278-6548

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor: ☐ A petition has been filed for this unsigned

Given Name	Werner	Middle Initial		Family Name	KUENZEL	Suffix e.g. Jr.	
Inventor's Signature	Werner Kuenzel				Date	04/20/2007	
Residence: City	Langenfeld	State	DEX	Country	Germany	Citizenship	Germany ✓
Post Office Address	Eichenfeldstrasse 65						
Post Office Address							
City	40764 Langenfeld	State		Zip		Country	Germany
						Applicant Authority	

☒ Additional inventors are being named on supplemental sheet(s) attached hereto

DECLARATION**ADDITIONAL INVENTOR(S)
Supplemental Sheet**

Name of Additional Joint Inventor, if any:

☐ A petition has been filed for this unsigned inventorGiven
NameWolfgangMiddle
InitialFamily
NameBARTHELSuffix
e.g. Jr.Inventor's
SignatureWolfgang Barthel

Date

04/20/2001Residence:
CityLangenfeldDEX

State

Country

Germany

Citizenship

Germany ✓

Post Office Address

Schlieperstrasse 23a

Post Office Address

City

40764 Langenfeld

State

Zip

Country

GermanyApplicant
Authority

Name of Additional Joint Inventor, if any:

☐ A petition has been filed for this unsigned inventorGiven
NameMiddle
InitialFamily
NameSuffix
e.g. Jr.Inventor's
Signature

Date

Residence:
City

State

Country

Citizenship

Post Office Address

Post Office Address

City

State

Zip

Country

Applicant
Authority

Name of Additional Joint Inventor, if any:

☐ A petition has been filed for this unsigned inventorGiven
NameMiddle
InitialFamily
NameSuffix
e.g. Jr.Inventor's
Signature

Date

Residence:
City

State

Country

Citizenship

Post Office Address

Post Office Address

City

State

Zip

Country

Applicant
Authority

Name of Additional Joint Inventor, if any:

☐ A petition has been filed for this unsigned inventorGiven
NameMiddle
InitialFamily
NameSuffix
e.g. Jr.Inventor's
Signature

Date

Residence:
City

State

Country

Citizenship

Post Office Address

Post Office Address

City

State

Zip

Country

Applicant
Authority☐ Additional inventors are being named on supplemental sheet(s) attached hereto